

File

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-851  
Relating to Certification of New Motor Vehicles

FORD MOTOR COMPANY

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-45-9;

IT IS ORDERED AND RESOLVED: That 1999 model-year Ford Motor Company exhaust emission control systems are certified as described below for medium-duty vehicles:

Fuel Type: Gasoline

Engine Family: XFMXA05.4JBN Displacement: 5.4 Liters (326 Cubic Inches)

Exhaust Emission Control Systems & Special Features:

Three Way Catalytic Converter  
Dual Heated Oxygen Sensors  
Heated Oxygen Sensor  
Exhaust Gas Recirculation  
Sequential Multiport Fuel Injection

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The certification exhaust emission standards for this engine family in grams per mile are:

<u>Test Weight</u> <u>(lbs.)</u>	<u>Miles</u>	<u>Non-Methane</u> <u>Hydrocarbons</u>	<u>Carbon</u> <u>Monoxide</u>	<u>Oxides of</u> <u>Nitrogen</u>
5751-8500	50,000	0.39	5.0	1.1
	120,000	0.56	7.3	1.53

The certification exhaust emission values for this engine family in grams per mile are:

<u>Test Weight</u> <u>(lbs.)</u>	<u>Miles</u>	<u>Non-Methane</u> <u>Hydrocarbons</u>	<u>Carbon</u> <u>Monoxide</u>	<u>Oxides of</u> <u>Nitrogen</u>
5751-8500	50,000	0.23	1.9	0.1
	120,000	0.31	2.4	0.21

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the aforementioned exhaust emission standards based on its submitted plan to comply with the medium-duty vehicle phase-in requirements as set forth in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles" (Title 13, California Code of Regulations, Section 1960.1(h)(2)).

BE IT FURTHER RESOLVED: That under the submitted medium-duty vehicle phase-in compliance plan, if the manufacturer incurs "Vehicle Equivalent Debits" for the aforementioned model year due to the manufacturer's failure to produce and deliver for sale in California the equivalent quantity of medium-duty vehicles certified to low-emission vehicle and/or ultra-low-emission vehicle exhaust emission standards required by the above-referenced standards and test procedures, all "Vehicle Equivalent Debits" incurred by the manufacturer shall be equalized as required by the standards and test procedures.

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the running loss and useful life standards applicable to 1995 and subsequent model-year vehicles in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles," and the listed vehicle models comply with those standards.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" for the aforementioned model year (Title 13, California Code of Regulations, Section 2235).

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high-altitude requirements and highway emission standards, and with the California Inspection and Maintenance emission standards in place at the time of certification, as stipulated in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles."

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Emission Control and Smog Index Label Specifications" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).

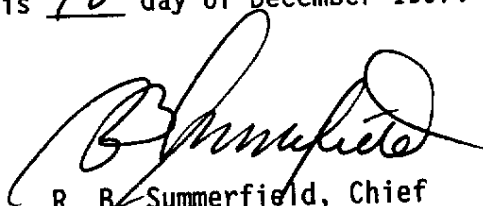
BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines" (Title 13, California Code of Regulations, Section 1968.1) for the aforementioned model year.

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et seq.).

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 18<sup>th</sup> day of December 1997.



R. B. Summerfield, Chief  
Mobile Source Operations Division

EO# A-10-85

## Supplemental Data Sheet - DPA Summary

The 1999 DPA charts are currently under construction and will be forwarded to the ARB upon completion.

ENGINE FAMILY: XFMXA05.4JBN

ISSUED:

REVISED:

OCT 27 1997

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1999 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

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Manufacturer FORD MOTOR COMPANY Exh. Eng. Fam.: XFMXA05.4JBN Evap. Fam.: XFMXE0155B1H

Engine Code Types: CA XXX 49S      50S      AB965      ORVR: Yes      No XXX

Exhaust Std: CA Tier-1 XXX TLEV      LEV      ULEV      ULEV      SULEV      U.S. EPA TIER-1     

Vehicle Class(es): PC      LDT1      LDT2      MDV1      MDV2      MDV3 XX MDV4      MDV5     

Single Cert Std for Multi-Class Eng Fam: N/A (specify: N/A, LDT1, MDV1, MDV2, MDV3, MDV4)

Fuel Type(s): Dedicated X Flex-Fuel      Dual-Fuel      Bi-Fuel      Gasoline XXX Diesel       
CNG      LNG      LPG      M85      Other (specify):     

Exh Emiss Test Fuel(s): Indo XXX CBG      CNG      LPG      M85      Other(specify):       
Diesel      13 CCR 2282      40 CFR 86.113-90      40 CFR 86.113-94     

Evaporative Emission Test Procedure: California      Federal XXX

Service Accum: Std AMA      Mod AMA XXX Mfr ADP      Other (specify)     

NMOG Test Procedure: N/A XXX Std      Equiv      R/L Test Procedure: SHED      Pt.Source XXX

Engine Configuration V-8 Displacement: 5.4L Liters 326 Cubic Inches

Valves/Cyl: 2 Rated HP: 235 @ 4250 RPM

Engine: Front XXX Mid      Rear      Drive: Fwd      RWD XXX 4WD-FT      4WD-PT XXX

Exhaust ECS (e.g., MFI, EGR, TC, CAC): TWC, 2HO2S, EGR, SFI, H02S  
(Use abbreviations per SAE J1930 JUN93)

EngineCode	Vehicle Models	Trans. A-Auto M-Man	ETW	DPA	Ignition Part No (PCM)	EGR System Part No	Catalytic Converter Part No
(California)							
9VZABJA A/N		A		*	XC3F-ASA	F75E-CA	F8US-XX
	F250 4X2 Crew Cab Short		7500				
	F250 4X2 Crew Cab Long		7500				
	F250 4X2 Reg Cab Long		7000				
	F250 4X2 Super Cab Short		7500				
	F250 4X2 Super Cab Long		7500				
	F250 4X4 Crew Cab Short		7500				
	F250 4X4 Crew Cab Long		7500				
	F250 4X4 Reg Cab Long		7500				
	F250 4X4 Super Cab Short		7500				
	F250 4X4 Super Cab Long		7500				
	F350 4X2 Crew Cab Short		8000				
	F350 4X2 Crew Cab Long		8000				
	F350 4X2 Reg Cab Long		7500				
	F350 4X2 Super Cab Short		7500				
	F350 4X2 Super Cab Long		7500				

↑  
Refers to wheelbase

\* See Section 20.09.17.03

Engine Family XFMXA05.4JBN  
Issued: **OCT 27 1997**  
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PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

(continued)

Manufacturer FORD MOTOR COMPANY Exh. Eng. Fam.: XFMXA05.4JBN Evap. Fam.: XFMXE0155B1H

EngineCode (California)	Vehicle Models	Trans. A-Auto M-Man	ETW	DPA	Ignition Part No (PCM)	EGR System Part No	Catalytic Converter Part No
9VZABJA A/N		A			XC3F-ASA	F75E-CA	F8US-XX
	F350 4X4 Crew Cab Short		8000	*			
	F350 4X4 Crew Cab Long		8000				
	F350 4X4 Reg Cab Long		8000				
	F350 4X4 Super Cab Short		8000				
	F350 4X4 Super Cab Long		8000				

*Refers to wheelbase* ↑

\* See Section 20.09.17.03

**1999 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET**  
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Page 3Manufacturer FORD MOTOR COMPANY Exh. Eng. Fam.: WFMXA05.4JBN Evap. Fam.: WFMXE0155B1HEngine Code Types: CA XXX 49S      50S      AB965      ORVR: Yes      No XXXExhaust Std: CA Tier-1 XXX TLEV      LEV      ULEV      ULEV      SULEV      U.S. EPA TIER-1     Vehicle Class(es): PC      LDT1      LDT2      MDV1      MDV2      MDV3 XX MDV4      MDV5     Single Cert Std for Multi-Class Eng Fam: N/A (specify: N/A,LDT1,MDV1,MDV2,MDV3,MDV4)Fuel Type(s): Dedicated X Flex-Fuel      Dual-Fuel      Bi-Fuel      Gasoline XXX Diesel       
CNG      LNG      LPG      M85      Other (specify):     Exh Emiss Test Fuel(s): Indo XXX CBG      CNG      LPG      M85      Other(specify):       
Diesel      13 CCR 2282      40 CFR 86.113-90      40 CFR 86.113-94     Evaporative Emission Test Procedure: California      Federal XXXService Accum: Std AMA      Mod AMA XXX Mfr ADP      Other (specify)     NMOG Test Procedure: N/A XXX Std      Equiv      R/L Test Procedure: SHED      Pt.Source XXXEngine Configuration V-8 Displacement: 5.4L Liters 326 Cubic InchesValves/Cyl: 2 Rated HP: 235 @ 4250 RPMEngine: Front XXX Mid      Rear      Drive: Fwd      RWD XXX 4WD-FT      4WD-PT XXXExhaust ECS (e.g., MFI, EGR,TC,CAC): TWC, 2HO2S, EGR, SFI, HO2S  
(Use abbreviations per SAE J1930 JUN93)

EngineCode	Vehicle Models	Trans. A-Auto M-Man	ETW	DPA	Ignition Part No (PCM)	EGR System Part No	Catalytic Converter Part No
(California)							
9VZABJB A/N	A				XC3F-ASB	F75E-CA	F8US-XX
	F250 4X2 Crew Cab Short		7500	*			
	F250 4X2 Crew Cab Long		7500				
	F250 4X2 Reg Cab Long		7000				
	F250 4X2 Super Cab Short		7500				
	F250 4X2 Super Cab Long		7500				
	F250 4X4 Crew Cab Short		7500				
	F250 4X4 Crew Cab Long		7500				
	F250 4X4 Reg Cab Long		7500				
	F250 4X4 Super Cab Short		7500				
	F250 4X4 Super Cab Long		7500				
	F350 4X2 Crew Cab Short		8000				
	F350 4X2 Crew Cab Long		8000				
	F350 4X2 Reg Cab Long		7500				
	F350 4X2 Super Cab Short		7500				
	F350 4X2 Super Cab Long		7500				

\* See Section 20.09.17.03

Engine Family XFMXA05.4JBN  
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**1999 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET**  
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

(continued)

Manufacturer FORD MOTOR COMPANY Exh. Eng. Fam.: WFMXA05.4JBN Evap. Fam.: WFMXE0155B1H

EngineCode (California)	Vehicle Models	Trans. A-Auto M-Man	ETW	DPA	Ignition Part No (PCM)	EGR System Part No	Catalytic Converter Part No
9VZABJB A/N		A			XC3F-ASB	F75E-CA	F8US-XX
	F350 4X4 Crew Cab Short		8000	*			
	F350 4X4 Crew Cab Long		8000				
	F350 4X4 Reg Cab Long		8000				
	F350 4X4 Super Cab Short		8000				
	F350 4X4 Super Cab Long		8000				

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**1999 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET**  
**PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES**

(continued)

Manufacturer FORD MOTOR COMPANY Exh. Eng. Fam.: WFMXA05.4JBN Evap. Fam.: WFMXE0155B1H

EngineCode (California)	Vehicle Models	Trans. A-Auto M-Man	ETW	DPA	Ignition Part No (PCM)	EGR System Part No	Catalytic Converter Part No
9VZABJC A/N		A		*	XC3F-ASC	F75E-CA	F8US-XX
	F350 4X4 Crew Cab Short		8000				
	F350 4X4 Crew Cab Long		8000				
	F350 4X4 Reg Cab Long		8000				
	F350 4X4 Super Cab Short		8000				
	F350 4X4 Super Cab Long		8000				

\* See Section 20.09.17.03

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